Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Project Division

Name of Work: Improvements to UGD works in ward no. 07

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Sanitory Works								
1	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No140., I.No.18.47 of KPWD S.R 2018-19).								
	Basic rate	899.00							
	6% AW	53.94							
	Sub Total1	952.94							
	16km Lead Transport= (1.28*2*16)	40.96							
	Sub Total2	993.90							
	Cross Road 1	1	80.00	1.00	0.20	16.00			
	Cross Road 2	1	95.00	1.00	0.20	19.00			
						35.00	**Cum**	**993.90**	**34786.5**
2	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (I No-2.3,P No-6 of KPWD S.R 2018-19)								
	Basic rate	299.00							
	6.00% AW	17.94							
	Total	316.94							
	Cross Road 1	1	80.00	1.00	1.50	120.00			
	Cross Road 2	1	95.00	1.00	1.40	133.00			
						253.00	**Cum**	**316.94**	**80,185.8**
3	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of materials, labour, HOM complete as per specifications, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 (I No-34.7.2,P No-255 of KPWD S.R 2018-19) 300mm Dia								
	Basic rate	528.00							
	6.00% AW	31.68							
	Total	559.68							
	Cross Road 1	1	80.00			80.00			
	Cross Road 2	1	95.00			95.00			
						175.00	**m**	**559.68**	**97,944.0**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	KSRB 12-5.4 : Constructing brick masonry circular type manhole 1.22 m internal dia at bottom, 1.68 m deep and 0.56m dia at top, with table moulded and non modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and down size granite metal and making necessary channel in cement concrete M 15 with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechineries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid seperately) Specification No. KBS 12.4 (I No-11.40,P No-74 of KPWD S.R 2018-19) **1.68 m deep**								
	Basic rate	29318.00							
	6.00% AW	1759.08							
	Total	31077.08							
	UGD Manhole	6				6.00			
						6.00	**Nos**	**31077.08**	**186462.48**
	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. (I No-2.11,P No-7 of KPWD S.R 2018-19)								
	Basic rate	121.00							
	6.00% AW	7.26							
	Total	128.26							
	From item no. 2					253.00			
						253.00	**Cum**	**128.26**	**32,449.78**
	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016, aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batchingplant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5 (P.174/I.22.1 of KPWD S.R 2018-19)								
	Basic rate	3585.00							
	6.00% AW	215.10							
	Total	3800.10							
	Cross Road 1	1	80.00	1.00	0.150	12.00			
	Cross Road 2	1	95.00	1.00	0.150	14.25			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						26.25	Cum	3800.10	99,752.63
7	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46um,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum.(P.No.176, I.No. 22.6.1 of KPWD S.R 2018-19)								
	Basic rate	4916.00							
	6.00% AW	294.96							
	Total	5210.96							
	Cross Road 1	1	80.00	1.00	0.150	12.00			
	Cross Road 2	1	95.00	1.00	0.150	14.25			
						26.25	**Cum**	**5210.96**	**136787.70**
								Total Construction Cost	**668368.91**
								Add GST 12%	**80,204.27**
								Total	**748573.18**
								Miscellaneous & Rounding off	**1,426.82**
								GRAND TOTAL	**750000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019

Assistant Engineer
Yelahanka Project Division
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka Project Division
BBMP Bangalore

Executive Engineer,
Yelahanka Project Division
BBMP Bangalore

Administrative Approval

Accorded For Rs.7.50 lakhs only
Head of A/C 8-3295
CER NO :.....64..... Dt:07/03/2020

E.E. (Project)

Technical Sanction

Accorded For Rs.7.50 lakhs
Head of A/C 8-3295
CER NO :.....26..... Dt:07/03/20

E.E. (Project)